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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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J. Scott Carr

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EXAMINER

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/686,547	Applicant(s) CARR ET AL.	
	Examiner Leynna T. Truvan	Art Unit 2435	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 October 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12, 14-20, 25, 27-29, and 52-57 is/are pending in the application.
- 4a) Of the above claim(s) 13, 21-24, 26, and 30-51 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12, 14-20, 25, 27-29, and 52-57 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-12, 14-20, 25, 27-29, and 52-57 are pending.
Claims 13, 21-24, 26, and 30-51 are cancelled.
Claims 52-57 are new.

Response to Arguments

2. *Applicant's arguments (regarding claims 1-12 and 14-20) filed 4/21/09 have been fully considered but they are not persuasive.*

With regard to the argument for claim 1 on pg.15, that Wu does not discuss verifying a bearer's age when second digital data and the third digital data correspond. Wu discloses the foregoing authentication or verification process is carried out until all portions of the article are checked where portions are explained (below) in the office action (col.9, lines 1-22). Further, it is obvious in the art that comparison or verification of the bearer's age, that would involve matching or verifying the bearer is at least that particular age as indicated in the document. Thus, Wu reads on the claim 1. Claims 2-11 are also rejected by virtue of their dependency.

With regard to the argument for claim 12 on pg.16, that Wu does not protect the anonymity of the person in possession of the identification document. Wu discloses verifying the legitimacy of the article embedded with linked watermarks where watermark is known in the art to protect owner/person of the identification document being identified or copy protected from unauthorized people. In addition, Wu includes encryption or cryptographic link (Wu - col.2, lines 30-42), where this is also known to

protect the owner/person from unauthorized people. As such, Wu's invention protects a person's anonymity. Innuendo that Wu does not discuss anonymity of the owner/person's identification document, Moskowitz discloses this limitation. Moskowitz discloses anonymity and legacy relationships may be maintained (Moskowitz - col.20, line 60 and col.38, lines 3-8). Therefore, Wu and Moskowitz combination reads on claim 12. Claims 14-20 are also rejected by virtue of their dependency.

3. *Applicant's arguments with respect to claims 25, 27-29, and 52-57 have been considered but are moot in view of the new ground(s) of rejection.*

With regard to the argument on pg.14, that Wu does not verify an age level of the document. Claim 25 is now rejected on antecedent basis and additionally does not have support in the claim nor the specification that the claimed age level of a document. But rather, throughout the claimed and specification speaks of a bearer or a person regarding the age level. Therefore, for purposes of applying art, examiner broadly gives the age level of the document as the same as it is claimed throughout claim 25 as the age level of a bearer of the document so as to identify the bearer of the identification of the document. Wu's invention is mainly about verifying the authenticity of an electronic document or article such as identification cards, passports, credit cards, etc. (col.6, lines 5-16). Wu includes personal particulars such as person's age or birth date, blood group, and height (col.7, lines 20-23 and col.8, lines 1-3). Wu teaches using encrypted information and seeds (col.2, lines 5-22) for generating a watermark is obtained from a portion of an article or document (col.7, lines 35-37 and col.8, lines 4-7). The biometrics

data or information and other appending information alone or together can be provided as input that will identify invariant features. The invariant features have a size of a few hundred bites which is given as the claimed identification document comprising plural bits (col.11, lines 5-18) and the watermark which is reduced-bit representation that was generated from a portion of the document reads on the claimed generating a reduced-bit representation of the received information carried by the document. Therefore, Wu reads on comparing data corresponding to the second field with the reduced-bit representation to verify an age level of the document.

Claims 27-29 are also rejected due to their dependency.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claim 25 recites the limitation "to verify an age level of the document" in line 15.

There is insufficient antecedent basis for this limitation in the claim.

The claimed invention initially recites the second field corresponding to an age or age level of the bearer of the identification document (lines 6-7) and claims the identity of the bearer of the identification document (last line). As such, claim 25 does not recite or suggest an age level pertains to a document (line 15) but rather the age level pertains to the bearer (i.e. person/user) of an identification document as recited throughout the claimed. Even the specification (i.e. 0065-0067) does not support the

age level is of the document but rather, throughout the claimed and specification speaks of a bearer or a person regarding the age level. Thus, line 15 of claim 25 lacks antecedent basis since the claimed document only refers to age level of the bearer. Therefore, for purposes of applying art, examiner broadly gives the age level of the document as the same as it is claimed throughout claim 25 as the age level of a bearer of the document so as to identify the bearer of the identification of the document.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-12, 14-20, 25, 27-29, and 52-57 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wu, et al. (US 6,748,533) in view of Moskowitz (US 7,159,116).

As per claim 1:

Wu discloses a method of verifying an age of a bearer of a document, said method comprising:

receiving first digital data corresponding to an age indicator, the first digital data being obtained from [*auxiliary data steganographically embedded in the document*];
(col.7, line 65 – col.8, line 3)

receiving second digital data corresponding to a biometric indicator, the second digital data being obtained from [*auxiliary data steganographically embedded in the document*]; (col.3, lines 5-25 and col.6, lines 28-55)

receiving third digital data corresponding to a biometric sample, wherein the biometric sample corresponds to the bearer; and (col.10, lines 53-67 and col.11, lines 5-13)

verifying the bearer's age when: i) the first digital data indicates that the bearer is at least as old as a predetermined age (col.7, lines 20-28), and ii) the second digital data and the third digital data correspond. (col.5, lines 14-33 and col.9, lines 1-22)

Wu discloses a device for controlling repeated operations of extracting, encrypting, and for generating a watermark (col.2, lines 35-42). This obviously suggests that the device includes a processor in order to control these functions. However, to clearly teach a device includes processor, a secondary prior art is brought forth. Moskowitz discloses the invention for enhancing trust in transactions between plurality of parties through the use of a personal information device (PID) where the use of highly-secure steganographic computer processing means for data identification, authentication, and transmission, such that confidence in the transaction components is enhanced (see abstract). This PID may be a smart card includes a processor, power supply, memory, and input/output device (col.37, lines 13-50). Moskowitz explains that encryption and secure digital watermarking (e.g. steganographic ciphering) offer tools for determining data integrity, authenticity, and confidence (col.17, lines 60-67). Thus, the PID is a multi-purpose electronic processor that controls or performs cryptography

related functions (i.e. encrypt/encode, decrypt/decode), receiving and transmitting data. Therefore, it is obvious for a person of ordinary skills in the art to combine Wu with Moskowitz to teach a multi-purpose electronic processor because to perform and control multiple various functions of receiving/transmitting data and cryptography.

Additionally, Wu discloses generating an invisible watermark and embedding an invisible watermark in an official seal increases verifiable authenticity of the article requiring against forgery or any other unauthorized modification (col.12, lines 48-53). Wu discloses one or several invariant features combined can encrypted by hashing or to produce a random pattern using the extracted message and combine the original content and the generated pattern to generate a watermark (col.8, lines 28-30 and col.9, lines 43-45). Wu discloses verifying the legitimacy of the article embedded with linked watermarks where watermark is known in the art to protect owner/person of the identification document being identified or copy protected from unauthorized people. In addition, Wu includes encryption or cryptographic link (Wu - col.2, lines 30-42), where this is also known to protect the owner/person from unauthorized people. As such, Wu's invention protects a person's anonymity. Innuendo that Wu does not discuss anonymity of the owner/person's identification document, Moskowitz discloses this limitation. Moskowitz discloses anonymity and legacy relationships may be maintained (Moskowitz - col.20, line 60 and col.38, lines 3-8). However, Wu did not clearly discuss auxiliary data steganographically embedded in the document.

Moskowitz explains that encryption and secure digital watermarking (e.g. steganographic ciphering) offer tools for determining data integrity, authenticity, and

confidence (col.17, lines 60-67). Steganographic-mapping (watermarking) or transfer functions may be combined with encryption ciphers as a means for making each unique implementation or tangible device serialization or personalization of a method for engaging in trusted transactions, high risk, information-intensive or sensitive decision (col.31, lines 49-65). Moskowitz discloses to provable manufacture secure devices may be accomplished with such protocols as digital time stamping or digital watermarking where instead of time, other predetermined data is concatenated with data for provably establishing ownership over the device (col.22, lines 51-60). Hence, Moskowitz teaches auxiliary data steganographically embedded in the document involving biometric and age data.

Therefore, it would have been obvious for a person of ordinary skills in the art to combine Wu's embedding an invisible watermark (Wu on col.2, lines 45-48 and col.5, lines 14-33) with Moskowitz teaching steganographically embedded in the document because steganographic embedding are also contemplated as means for ensuring computational complexity to any unauthorized user and that steganographic-mapping (watermarking) may be combined with encryption ciphers as a means for making each unique implementation or tangible device serialization or personalization of a method for engaging in trusted transactions, high risk, information-intensive or sensitive decision (Moskowitz – col.31, lines 49-65) such that confidence in the transaction components is enhanced (Moskowitz – see abstract).

As per claim 2: See Moskowitz on col.31, lines 49-65; discussing the method of claim 1, further comprising interrogating a data repository with the biometric indicator to

Art Unit: 2435

obtain digital data being obtained from auxiliary data steganographically embedded in the document because

As per claim 3: See Wu on col.7, line 65 – col.8, line 3; discussing the method of claim 2, further comprising interrogating the data repository with the age indicator to obtain the first digital information.

As per claim 4: See Wu on col.3, lines 5-15 and col.7, line 20-67 ; discussing the method of claim 2, wherein the second digital data comprises a biometric template associated with the bearer.

As per claim 5: See Wu on col.7, line 20– col.8, line 3; discussing the method of claim 4, wherein the biometric template includes information associated with at least one of the bearer's fingerprint, face map, hand geometry, iris, retina, DNA, voiceprint or vein pattern.

As per claim 6: See Wu on col.7, line 55 – col.8, line 3; discussing the method of claim 1, wherein the third digital data is received through a network.

As per claim 7: See Moskowitz in abstract; discussing the method of claim 6, wherein the network comprises the internet.

As per claim 8: See Wu on col.7, line 55 – col.8, line 3; discussing the method of claim 1, wherein the biometric indicator comprises a biometric template.

As per claim 9: See Wu on col.7, line 55 – col.8, line 3; discussing the method of claim 8, wherein the biometric template includes information associated with at least one of the bearer's fingerprint, face map, hand geometry, iris, retina, DNA, voiceprint or vein pattern.

As per claim 10: See Moskowitz on col.6, lines 5-14; discussing the method of claim 1, wherein the third digital data further comprises a timestamp.

As per claim 11: See Wu on col.7, lines 20-67 and col.11, lines 5-18; discussing the method of claim 4, wherein the auxiliary data comprises plural bits of data and wherein the biometric indicator and the age indicator comprise the same plural bits.

As per claim 12:

Wu discloses a method of anonymously verifying an age or characteristic associated with a person, the person being in possession of an identification document, the identification document including a document layer and printing carried by the document layer, the identification document further including a digital watermark embedded therein, the digital watermark including a first set of information, the first set of information including information to verify age or an age level of the person, said method: (see Figs.1 and 6)

receiving optical scan data corresponding to the identification document, the optical scan data being generated by an optical sensor; (col.10, lines 53-67 and col.11, lines 5-13)

decoding the scan data with [a configured multi-purpose electronic processor] (col.2, lines 35-42) to obtain the first set of information included in the digital watermark, the first set of information *[including a concatenated string of data]* comprising age indicator and additional data, wherein the digital watermark is embedded in the identification document (col.4, lines 28-30 and col.5, lines 10-33) through hidden

changes to data representing one or more items carried by the identification document;
and (col.3, lines 5-25 and col.6, lines 28-55)

determining, based on the first set of information, the person's age or age level,
wherein said act of determining protects the anonymity of the person in possession of
the identification document. (col.7, lines 20-28 and col.7, line 65 – col.8, line 3)

Wu discloses a device for controlling repeated operations of extracting,
encrypting, and for generating a watermark (col.2, lines 35-42). This obviously
suggests that the device includes a processor in order to control these functions.
However, to clearly teach a device includes processor, a secondary prior art is brought
forth. Moskowitz discloses the invention for enhancing trust in transactions between
plurality of parties through the use of a personal information device (PID) where the use
of highly-secure steganographic computer processing means for data identification,
authentication, and transmission, such that confidence in the transaction components is
enhanced (see abstract). This PID may be a smart card includes a processor, power
supply, memory, and input/output device (col.37, lines 13-50). Moskowitz explains that
encryption and secure digital watermarking (e.g. steganographic ciphering) offer tools
for determining data integrity, authenticity, and confidence (col.17, lines 60-67). Thus,
the PID is a multi-purpose electronic processor that controls or performs cryptography
related functions (i.e. encrypt/encode, decrypt/decode), receiving and transmitting data.
Therefore, it is obvious for a person of ordinary skills in the art to combine Wu with
Moskowitz to teach a multi-purpose electronic processor because to perform and
control multiple various functions of receiving/transmitting data and cryptography.

Additionally, Wu discloses generating an invisible watermark and embedding an invisible watermark in an official seal increases verifiable authenticity of the article requiring against forgery or any other unauthorized modification (col.12, lines 48-53). Wu discloses one or several invariant features combined can encrypted by hashing or to produce a random pattern using the extracted message and combine the original content and the generated pattern to generate a watermark (col.8, lines 28-30 and col.9, lines 43-45). Wu discloses verifying the legitimacy of the article embedded with linked watermarks where watermark is known in the art to protect owner/person of the identification document being identified or copy protected from unauthorized people. In addition, Wu includes encryption or cryptographic link (Wu - col.2, lines 30-42), where this is also known to protect the owner/person from unauthorized people. As such, Wu's invention protects a person's anonymity. Innuendo that Wu does not discuss anonymity of the owner/person's identification document, Moskowitz discloses this limitation. Moskowitz discloses anonymity and legacy relationships may be maintained (Moskowitz - col.20, line 60 and col.38, lines 3-8). However, Wu did not clearly discuss the watermark containing information including concatenated string of data.

Moskowitz explains that encryption and secure digital watermarking (e.g. steganographic ciphering) offer tools for determining data integrity, authenticity, and confidence (col.17, lines 60-67). Steganographic-mapping (watermarking) or transfer functions may be combined with encryption ciphers as a means for making each unique implementation or tangible device serialization or personalization of a method for engaging in trusted transactions, high risk, information-intensive or sensitive decision

(col.31, lines 49-65). Moskowitz discloses to provable manufacture secure devices may be accomplished with such protocols as digital time stamping or digital watermarking where instead of time, other predetermined data is concatenated with data for provably establishing ownership over the device (col.22, lines 51-60).

Therefore, it would have been obvious for a person of ordinary skills in the art to combine Wu's embedding an invisible watermark (Wu on col.2, lines 45-48 and col.5, lines 14-33) with Moskowitz teaching the watermark containing information including concatenated string of data because to transparently and provably establishing ownership over secure devices (col.22, lines 51-60) and to generate a unique ID with a one-way hash function (col.10, lines 25-28).

As per claim 13: Cancelled

As per claim 14: See Wu on col.7, line 53 – col.8, line 3; discussing the method of claim 12, wherein the identification document further comprises a second set of information embedded therein, the second set of information corresponding to a third set of information that is printed on the identification document, wherein the second set of information comprises an index for accessing a data repository.

As per claim 15: See Wu on col.8, lines 22-30; discussing the method of claim 14, wherein the index comprises a hash of the third set of information that is printed on the identification document.

As per claim 16: See Wu on col.1, lines 44-52 and col.8, lines 22-30; discussing the method of claim 14, further comprising computing a hash of the third set of information that is printed on the identification document, decoding the second set of information

that is embedded in the identification document to obtain the embedded hash, and comparing the computed hash and the embedded hash to determine authenticity of the document.

As per claim 17: See Wu on col.7, lines 20-27 and Moskowitz on col.6, lines 1-13; discussing the method of claim 12, further comprising storing at least a portion of the first set of information in at least one of a list, electronic memory circuits and a data record, wherein the stored portion of the first set of information serves as an audit clue to evidence that the identification document has been examined.

As per claim 18: See Wu on col.11, lines 15-18 and see FIG.6; discussing the method of claim 17, wherein the first set of information comprises two or more random bits.

As per claim 19: See Wu on col.7, lines 20-30; discussing the method of claim 18, wherein the first set of information comprises a date of birth.

As per claim 20: See Wu on col.11, lines 15-18 and see FIG.6 and on col., lines and col., lines; discussing the method of claim 19, wherein a combination of the random bits and the date of birth decrease likelihood of overlapping birth dates, while maintaining an anonymous audit clue.

As per claim 25:

Wu discloses a method comprising:

receiving optical scan data that is associated with an identification document (col.3, lines 29-42 and Fig.6), the identification document comprising plural-bits of data carried by the identification document (col.7, lines 35-37 and col.11, lines 5-18), wherein

Art Unit: 2435

the plural-bits of data comprise at least a first field and a second field, the first field carrying or linking to information corresponding to a bearer of the identification document (col.3, lines 5-18 and col.6, lines 48-64) and the second field corresponding to an age or age level of the bearer of the identification document; (col.7, line 25 – col.8, line 3)

[utilizing a configured multi-purpose electronic processor] (col.2, lines 35-42), decoding the optical scan data to recover corresponding to at least the second field; (col.1, lines 45-53)

receiving information carried by the document (col.2, lines 5-22 and col.8, lines 4-7), separate from the data corresponding to at least the second field- and generating a reduced-bit representation of the received information by [using a configured multi-purpose electronic processor]; and (col.4, lines 20-27 and col.11, lines 20-40)

comparing data corresponding to the second field with the reduced-bit representation to verify an age level of the document, (col.5, lines 1-34 and col.9, lines 1-22)

wherein neither the data corresponding to the second field nor the reduced-bit representation, betray the identity of the bearer of the identification document. (col.12, lines 1-9 and 44-67 and col.13, lines 15-27)

Wu discloses generating an invisible watermark and embedding the watermark on an article or document (col.3, lines 5-25 and col.6, lines 28-31). The claimed reduced-bit representation can broadly be interpreted as a watermark representation. Wu teaches using encrypted information and seeds (col.2, lines 5-22) for generating a

watermark is obtained from a portion of an article or document (col.7, lines 35-37 and col.8, lines 4-7). The biometrics data or information and other appending information alone or together can be provided as input that will identify invariant features. The invariant features have a size of a few hundred bites which is given as the claimed identification document comprising plural bits (col.11, lines 5-18). Wu further discloses the method of generating a watermark involves this information is encrypted and a random pattern is generated (col.4, lines 20-27 and col.11, lines 20-40). Thus, the watermark which is reduced-bit representation that was generated from a portion of the document reads on the claimed generating a reduced-bit representation of the received information carried by the document.

Wu discloses embedding various information that includes identification portion in various portions of the document (col.7, lines 20-28) such as an identification, name of the person, fingerprint, and personal particulars such as age and height (col.7, line 65 – col.8, line 3). Wu discusses inputting facial image in a facial recognition engine (col.10, lines 53-67) and the authentication or verification process is carried out until all portions of the article are checked (col.9, lines 1-22). Wu discloses a device for controlling repeated operations of extracting, encrypting, and for generating a watermark (col.2, lines 35-42). This obviously suggests that the device includes a processor in order to control these functions. However, to clearly teach a device includes processor, a secondary prior art is brought forth.

Moskowitz discloses the invention for enhancing trust in transactions between plurality of parties through the use of a personal information device (PID) where the use

of highly-secure steganographic computer processing means for data identification, authentication, and transmission, such that confidence in the transaction components is enhanced (see abstract). This PID may be a smart card includes a processor, power supply, memory, and input/output device (col.37, lines 13-50). Moskowitz explains that encryption and secure digital watermarking (e.g. steganographic ciphering) offer tools for determining data integrity, authenticity, and confidence (col.17, lines 60-67). Thus, the PID is a multi-purpose electronic processor that controls or performs cryptography related functions (i.e. encrypt/encode, decrypt/decode), receiving and transmitting data.

Therefore, it is obvious for a person of ordinary skills in the art to combine Wu with Moskowitz to teach a multi-purpose electronic processor because to perform and control multiple various functions of receiving/transmitting data and cryptography.

As per claim 27: See Wu on col.7, lines 35-37 and col.4, lines 48-55; discussing the method of claim 25, further comprising storing the data corresponding to the second field in a data repository to evidence examination of the identification document.

As per claim 28: See Wu on col.8, lines 63-67; discussing the method of claim 25, further comprising printing the data corresponding to the second field to evidence examination of the identification document.

As per claim 29: See Wu on col.1, lines 45-50; discussing the method of claim 25, wherein said receiving information carried by the document comprises receiving data corresponding to at least one of data generated by a barcode scanner, optical character recognizer, manual entry or watermark decoder.

As per claim 52: See Wu on col.2, lines 35-42 and Moskowitz on col.37, lines 13-50;

discussing the programmed computing device storing instructions in memory, said instructions are executable by said programmed computing device to perform the acts of claim 1.

As per claim 53: See Wu on col.2, lines 35-42 and Moskowitz on col.37, lines 13-50; discussing the computer readable media comprising instructions stored thereon to cause a multi-purpose electronic processor to perform the acts of claim 1.

As per claim 54: See Wu on col.2, lines 35-42 and Moskowitz on col.37, lines 13-50; discussing the programmed computing device storing instructions in memory, said instructions are executable by said programmed computing device to perform the acts of claim 12.

As per claim 55: See Wu on col.2, lines 35-42 and Moskowitz on col.37, lines 13-50; discussing the computer readable media comprising instructions stored thereon to cause a multi-purpose electronic processor to perform the acts of claim 12.

As per claim 56: See Wu on col.2, lines 35-42 and Moskowitz on col.37, lines 13-50; discussing the programmed computing device storing instructions in memory, said instructions are executable by said programmed computing device to perform the acts of claim 25.

As per claim 57: See Wu on col.2, lines 35-42 and Moskowitz on col.37, lines 13-50; discussing the computer readable media comprising instructions stored thereon to cause a multi-purpose electronic processor to perform the acts of claim 25.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leynna T. Truvan whose telephone number is (571) 272-3851. The examiner can normally be reached on Monday - Thursday (7:00 - 5:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on (571) 272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/L. T. T./
Examiner, Art Unit 2435
/Kimyen Vu/
Supervisory Patent Examiner, Art Unit 2435